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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/591,210	05/23/2007	Franciscus Petrus Den Ridder	3135-062577	6637

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EXAMINER
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AMAYA, CARLOS DAVID

ART UNIT	PAPER NUMBER
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2836

MAIL DATE	DELIVERY MODE
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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/591,210	<b>Applicant(s)</b> DEN RIDDER, FRANCISCUS PETRUS	
	<b>Examiner</b> CARLOS AMAYA	<b>Art Unit</b> 2836	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 31 August 2006.  
2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 20-38 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 20-38 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 8/31/2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All    b) ☐ Some \* c) ☐ None of:  
1. ☒ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>12/14/2007</u> . | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 20-34, 36-38 are rejected under 35 U.S.C. 102(b) as being anticipated by Mosebrook et al. (US 6,687,487).

With respect to claim 20, Mosebrook discloses a remotely controllable switch unit for switching the mains inside an electrical installation, wherein the switch unit comprises: an electrically controllable switch (switch 50, figure 1); a control circuit for controlling the switch; and a receiver coupled to the control circuit for receiving wireless signals, wherein the switch unit is adapted for mounting in a housing of a wall socket (col. 3 lines 20-67; col. 4 lines 1-5; col. 5 lines 60-67).

With respect to claims 21, 22, Mosebrook discloses the switch unit as claimed in claim 20, wherein the depth of the switch unit is smaller than 32 mm; wherein the switch unit is combined with a flush-mounted box, and that the maximum depth of the switch unit is at least 8 mm smaller than the maximum depth of the flush-mounted box (col. 4 lines 1-5, discloses providing the control device into a standard electrical wall box).

With respect to claims 23-25, 29, Mosebrook discloses the switch unit as claimed in claim 20, wherein the switch unit is provided with an operating element of usual type for operating the switch, wherein the switch unit is provided with the female part of a

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wall socket, wherein the switch unit is provided with an on/off switch. See figure 1 control switch 50/manual switch.

With respect to claim 26, Mosebrook discloses the switch unit as claimed in claim 25, wherein the switch unit is provided with a dimmer. Light dimmer, figure 2.

With respect to claim 27, Mosebrook discloses the switch unit as claimed in claim 26, wherein the control circuit is adapted to sense the nature of a load connected to the female part of the wall socket and to block the dimming function when the load is not substantially formed by a resistance. Col. 3 lines 48-53; Col. 11 lines 41-60 disclose a two-way communication to provide information about the status of the load.

With respect to claim 28, Mosebrook discloses the switch unit as claimed in claim 20, wherein the switch unit comprises a transmitter connected to the control circuit and that the switch unit is adapted to function as a junction in a network of transmitters/receivers (col. 4 lines 26-56).

With respect to claim 30, Mosebrook discloses the switch unit as claimed in claim 29, wherein a signal light source comes on when the switch unit is switched on (col. 11 lines 50-60).

With respect to claims 31, 32, Mosebrook discloses the switch unit as claimed in claim 20, wherein the switch unit comprises at least one printed circuit board on which a number of components are placed, and that the printed circuit board extends parallel to the mounting surface of the housing (see figures 2 and 3).

With respect to claims 33-34, Mosebrook discloses the switch unit as claimed in one of the claims, wherein the switch unit comprises a contact carrier which is

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manufactured from insulating material and on which contacts are arranged for the pins of the male plug and on which terminals are arranged for connecting the contacts to wires, and wherein at least one of the connections between contact and terminals is interrupted. Col. 3 lines 48-53 discloses the system can be used to connect other loads, which would necessarily comprise male plugs connected to female plugs.

With respect to claim 36, Mosebrook discloses the switch unit as claimed in claim 20, wherein the switch unit comprises a relay for switching the connection between one of the contacts and one of the terminals (col. 3 lines 58-61).

With respect to claim 37-38, Mosebrook discloses the switch unit as claimed in claim 20, wherein the switch unit is adapted to measure the power of the load connected to the switch unit, wherein the control circuit is adapted to transmit a signal representing the measured power to another element of the network (col. 3 lines 21-43).

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 35 is rejected under 35 U.S.C. 103(a) as being unpatentable over Mosebrook et al. (US 6,687,487) in view of Newman, JR. (US 2006/0119187).

With respect to claim 35, Mosebrook discloses the switch unit as claimed in claim 20, however, does not expressly disclose that the switch unit comprises a power supply

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circuit which is adapted to connect a capacitor to the mains for only a short period of time after the zero passage of the mains.

Newman discloses capacitor C10 to charge by drawing power from the main during the negative half cycle of the AC line voltage (paragraph 0043).

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Mosebrook and include the capacitor of Newman, for the purpose of providing control power to other control circuits of the system.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CARLOS AMAYA whose telephone number is (571) 272-8941. The examiner can normally be reached on M-F 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jared Fureman can be reached on (571) 272-2391. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/C. A./  
Examiner, Art Unit 2836

/Albert W Paladini/ 4/25/10

Primary Examiner, Art Unit 2836